

Amendments to the Claims

1. (Original) A method of wireless communication employing a terminal, the terminal configured to tune either to a HDR carrier or a 1xRTT carrier, the method comprising:

- (a) tuning the terminal to a HDR carrier;
- (b) establishing a packet data communication over the HDR carrier using the terminal; and
- (c) periodically tuning the terminal to a 1xRTT carrier for a limited time in order to check for incoming 1xRTT communications.

19 2. (Original) The method of claim 1, further comprising:

- (d) establishing a 1xRTT communication over the 1xRTT carrier when an incoming 1xRTT communication is ^{detected} ~~deleted~~ in step (c); and
- (e) tuning the terminal back to the HDR carrier when the 1xRTT communication is terminated.

3. (Original) The method of claim 2, wherein step (d) further comprises:

- (f) sending a 1xRTT packet hand-over request from the terminal to transfer the packet data communication from the HDR carrier to the 1xRTT carrier;
- (g) handing the packet data communication over to the 1xRTT carrier from the HDR carrier; and
- (h) establishing the 1xRTT communication over the 1xRTT carrier, while also maintaining the packet data communication over the 1xRTT carrier.

4. (Original) The method of claim 3, further comprising:

- (i) tuning the terminal back to the HDR carrier when the 1xRTT communication is terminated;

- (j) sending a 1xRTT packet hand-over request from the terminal to transfer the packet data communication from the 1xRTT carrier to the HDR carrier;
- (k) handing the packet data communication over to the HDR carrier from the 1xRTT carrier.

5. (Original) The method of claim 4, wherein the terminal is configured to optionally establish the 1xRTT communication.

6. (Original) The method of claim 5, wherein the 1xRTT communication includes at least one of the following:

- (a) a voice communication;
- (b) a SMS communication; and
- (c) a broadcast information communication.

7. (Original) A method of wireless communication employing a terminal, the terminal configured to tune either a HDR carrier or a 1xRTT carrier, the method comprising:

- (a) tuning the terminal to a HDR carrier;
- (b) establishing a packet data communication over the HDR carrier using the terminal;
- (c) while the packet data communication is in progress, tuning the terminal to a 1xRTT carrier; and
- (d) establishing 1xRTT communication on the 1xRTT carrier.

8. (Original) The method of claim 7, further comprising:

- (e) tuning the terminal back to the HDR carrier when the 1xRTT communication is terminated in order to complete the packet data communication.

9. (Original) The method of claim 7, wherein step (d) further comprises:

- (f) sending a 1xRTT packet hand-over request from the terminal to transfer the packet data communication from the HDR carrier to the 1xRTT carrier;
- (g) handing the packet data communication over to the 1xRTT carrier from the HDR carrier; and
- (h) establishing the 1xRTT communication over the 1xRTT carrier, while also maintaining the packet data communication over the 1xRTT carrier.

10. (Original) The method of claim 9, further comprising:

- (i) tuning the terminal back to the HDR carrier when the voice communication is terminated;
- (j) sending a 1xRTT packet hand-over request from the terminal to transfer the packet data communication from the 1xRTT carrier to the HDR carrier;
- (k) handing the packet data communication over to the HDR carrier from the 1xRTT carrier.


11. (Previously amended) The method of claim ~~4~~10, wherein the 1xRTT communication is at least one of the following:

- (a) a voice communication;
- (b) a SMS communication; and
- (c) a broadcast information communication.

12. (Original) A method of wireless communication employing a terminal, the terminal configured to tune either to a HDR carrier or a 1xRTT carrier, the method comprising:

- (a) periodically scanning for a HDR carrier;
- (b) tuning the ~~receiver~~ to a 1xRTT carrier;

terminated

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- (c) establishing a packet data communication on the 1xRTT carrier after tuning in step (b);
 - (d) periodically scanning for a HDR carrier once the terminal is tuned to the 1xRTT carrier;
 - (e) if a HDR carrier is available, tuning the terminal to the HDR carrier; and
 - (f) establishing the packet data communication on the HDR carrier.

13. (Original) The method of claim 12, wherein the packet data communication on the 1xRTT carrier is terminated prior to step (e).

14. (Original) The method of claim 12, wherein step (f) further comprises:

- (g) sending a 1xRTT packet hand-over request from the terminal to transfer the packet data communication from the 1xRTT carrier to the ~~second~~ HDR carrier; and
- (h) handing the packet data communication over to the ~~second~~ HDR carrier from the 1xRTT carrier.

15. (Original) A terminal for wireless communication, comprising:

a transceiver configured to selectively tune to a HDR carrier or to a 1xRTT carrier; and
a processor configured to tune the transceiver to the HDR carrier for establishing packet data communications and to tune the transceiver to the 1xRTT carrier for establishing 1xRTT communications or packet data communications.

16. (Original) The terminal of claim 15, wherein the processor is further configured to periodically tune the transceiver to the 1xRTT carrier to check for incoming 1xRTT communications while a packet data communication is occurring over the HDR carrier, and

wherein the processor is further configured to tune the terminal to the 1xRTT carrier and establish a 1xRTT communication over the 1xRTT carrier when an incoming 1xRTT communication is detected.

17. (Original) The terminal of claim 15, wherein the processor is further configured to tune to a 1xRTT when HDR carriers are unavailable and to periodically scan for HDR carriers until one is available, and wherein the processor is configured to tune to a HDR carrier when one is available.

18. (Original) The terminal of claim 15, wherein the processor is further configured to tune to a 1xRTT carrier, while a packet data communication is taking place over a HDR carrier, and establish a 1xRTT communication over the 1xRTT carrier.

19. (Original) The terminal of claim 15, wherein the processor is further configured to initiate a 1xRTT packet hand-over request in order to transfer packet data communications from a HDR carrier to a 1xRTT carrier, or to a transfer packet data communications from a 1xRTT carrier to a HDR carrier.

20. (Original) The terminal of claim 15, wherein the 1xRTT communication is at least one of the following:

- (a) a voice communication;
- (b) a SMS communication; and
- (c) a broadcast information communication.

21. (Original) A wireless communications network, comprising:
a 1xRTT carrier configured to carry 1xRTT communications and packet data communications;
a HDR carrier configured to carry packet data communications; and
a plurality of terminals configured to tune to the HDR carrier for establishing packet data communications and to tune to the 1xRTT carrier for establishing a 1xRTT communications or packet data communications.

22. (Currently amended) The network of claim ~~18~~21, wherein each terminal is further configured to initiate a 1xRTT packet hand-over request in order to transfer packet data communications from a HDR carrier to a 1xRTT carrier, or to a transfer packet data communications from a 1xRTT carrier to a HDR carrier.

23. (Currently amended) The network of claim ~~19~~22, wherein each hand-over request will contain information about a target BSCbase station controller associated with the 1xRTT or HDR carrier that is the target of the hand-over.

24. (Previously added) A method of wireless communication employing a terminal, the terminal configured to tune either to a best-effort carrier or an all-service carrier, the method comprising:

- (a) tuning the terminal to a best-effort carrier;
- (b) establishing a packet data communication over the best-effort carrier using the terminal; and
- (c) periodically tuning the terminal to an all-service carrier for a limited time in order to check for incoming all-service communications.

25. (Previously added) The method of claim 24, further comprising:

- (d) establishing an all-service communication over the all-service carrier when an incoming all-service communication is detected in step (c); and
- (e) tuning the terminal back to the best-effort carrier when the all-service communication is terminated.

26. (Previously added) The method of claim 25, wherein step (d) further comprises:

- (f) sending a packet hand-over request from the terminal to transfer the packet data communication from the best-effort carrier to the all-service carrier;
- (g) handing the packet data communication over to the all-service carrier from the best-effort carrier; and
- (h) establishing the all-service communication over the all-service carrier, while also maintaining the packet data communication over the all-service carrier.

27. (Previously added) The method of claim 26, further comprising:

- (i) tuning the terminal back to the best-effort carrier when the all-service communication is terminated;
- (j) sending a packet hand-over request from the terminal to transfer the packet data communication from the all-service carrier to the best-effort carrier;
- (k) handing the packet data communication over to the best-effort carrier from the all-service carrier.

28. (Previously added) The method of claim 27, wherein the terminal is configured to optionally establish the all-service communication.

29. (Previously added) The method of claim 24, wherein the all-service communication includes at least one of the following:

- (a) a voice communication;
- (b) a SMA communication; and
- (c) a broadcast information communication.

30. (Previously added) The method of claim 24, wherein the all-service carrier comprises an 1xRTT carrier.


31. (Previously added) The method of claim 24, wherein the best-effort carrier comprises an HDR carrier.

32. (Previously added) A method of wireless communication employing a terminal, the terminal configured to tune either to a best-effort carrier or an all-service carrier, the method comprising:

- (a) tuning the terminal to a best-effort carrier;
- (b) establishing a packet data communication over the best-effort carrier using the terminal;
- (c) while the packet data communication is in progress, tuning the terminal to an all-service carrier; and
- (d) establishing all-service communication on the all-service carrier.

33. (Previously added) The method of claim 32, further comprising:

- (e) tuning the terminal back to the best-effort carrier when the all-service communication is terminated in order to complete the packet data communication.

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34. (Previously added) The method of claim 32, wherein step (d) further comprises:
- (f) sending a packet hand-over request from the terminal to transfer the packet data communication from the best-effort carrier to the all-service carrier;
 - (g) handing the packet data communication over to the all-service carrier from the best-effort carrier; and
 - (h) establishing the all-service communication over the all-service carrier, while also maintaining the packet data communication over the all-service carrier.

35. (Previously added) The method of claim 34, further comprising:
- (i) tuning the terminal back to the best-effort carrier when the all-service communication is terminated;
 - (j) sending a packet hand-over request from the terminal to transfer the packet data communication from the all-service carrier to the best-effort carrier;
 - (k) handing the packet data communication over to the best-effort carrier from the all-service carrier.


36. (Previously added) The method of claim 32, wherein the all-service communication is at least one of the following:

- (a) a voice communication;
- (b) a SMS communication; and
- (c) a broadcast information communication.

37. (Previously added) The method of claim 32, wherein the all-service carrier comprises an 1xRTT carrier.

38. (Previously added) The method of claim 32, wherein the best-effort carrier comprises an HDR carrier.

39. (Previously added) A method of wireless communication employing a terminal, the terminal configured to tune either to a best-effort carrier or an all-service carrier, the method comprising:

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- (a) periodically scanning for a best-effort carrier;
 - (b) tuning the receiver to an all-service carrier;
 - (c) establishing a packet data communication on the all-service carrier after tuning in step (b);
 - (d) periodically scanning for a best-effort carrier once the terminal is tuned to the all-service carrier;
 - (e) if a best-effort carrier is available, tuning the terminal to the best-effort carrier;
and
 - (f) establishing the packet data communication on the best-effort carrier.

40. (Previously added) The method of claim 39, wherein the packet data communication on the all-service carrier is terminated prior to step (e).

41. (Previously added) The method of claim 39, wherein step (f) further comprises:

- (g) sending a packet hand-over request from the terminal to transfer the packet data communication from the all-service carrier to the ~~second~~ best-effort carrier; and
- (h) handing the packet data communication over to the ~~second~~ best-effort carrier from the all-service carrier.

42. (Previously added) The method of claim 39, wherein the all-service carrier comprises an 1xRTT carrier, and wherein the best-effort carrier comprises an HDR carrier.

43. (Previously added) A terminal for wireless communication, comprising:
a transceiver configured to selectively tune to a best-effort carrier or to an all-service carrier; and
a processor configured to periodically tune the transceiver to the all-service carrier to check for an incoming all-service communication while a packet data communication is occurring over the best-effort carrier and to tune the terminal to the all-service carrier and establish an all-service communication over the all-service carrier when an incoming all-service communication is detected.

44. (Previously added) The terminal of claim 43, wherein the processor is further configured to tune to an all-service carrier when best-effort carriers are unavailable and to periodically scan for best-effort carriers until one is available, and wherein the processor is configured to tune to a best-effort carrier when one is available.

45. (Previously added) The terminal of claim 43, wherein the processor is further configured to tune to an all-service carrier, while a packet data communication is taking place over a best-effort carrier, and establish an all-service communication over the all-service carrier.

46. (Previously added) The terminal of claim 43, wherein the processor is further configured to initiate a packet hand-over request in order to transfer packet data communications from a best-effort carrier to an all-service carrier, or to transfer packet data communications from an all-service carrier to a best-effort carrier.

47. (Previously added) The terminal of claim 43, wherein the all-service communication is at least one of the following:

- (a) a voice communication;
- (b) a SMS communication; and
- (c) a broadcast information communication.

48. (Previously added) The terminal of claim 43, wherein the all-service carrier comprises an 1xRTT carrier.

49. (Previously added) The method of claim 43, wherein the best-effort carrier comprises an HDR carrier.


50. (Previously added) The terminal of claim 43, wherein the all-service carrier supports real-time and non-real-time services, and wherein the best-effort carrier supports only non-real-time services.

51. (Previously added) The terminal of claim 50, wherein the all-service carrier is optimized for circuit switched services, and wherein the best-effort carrier optimized for best effort packet data services.

52. (Previously added) The terminal of claim 51, wherein the control and data channel in the best effort carrier are time multiplexed.

53. (Previously added) A wireless communication network comprising:
an all-service carrier configured to carry all-service communications and packet data communications;

a best-effort carrier configured to carry packet data communications; and
a plurality of terminals configured to periodically tune to the all-service carrier to check for an incoming all-service communication while a packet data communication is occurring over the best-effort carrier and to tune to the all-service carrier and establish an all-service communication over the all-service carrier when an incoming all-service communication is detected.



54. (Previously added) The network of claim 53, wherein each terminal is further configured to initiate a packet hand-over request in order to transfer packet data communications from a best-effort carrier to an all-service carrier, or to transfer packet data communications from an all-service carrier to a best effort carrier.

55. (Currently amended) The network of claim 54, wherein each hand-over request will contain information about a target BSCbase station controller associated with the all-service or best-effort carrier that is the target of the hand-over.

56. (Previously added) The network of claim 53, wherein the all-service carrier supports real-time and non-real-time services, and wherein the best-effort carrier supports only non-real-time services.

57. (Previously added) The network of claim 56, wherein the all-service carrier is optimized for circuit switched services, and wherein the best-effort carrier is optimized for best effort packet data services.

58. (Previously added) The network of claim 57, wherein the control and data channel in the best-effort carrier are time multiplexed.

59. (Previously added) The network of claim 53, wherein the all-service carrier is a 1xRTT carrier.

60. (Previously added) The network of claim 53, wherein the best-effort carrier is a HDR carrier.
